

OPTICAL CIRCUIT HAVING LEGS IN A STACKED CONFIGURATION
AND AN ASSOCIATED FABRICATION METHOD

ABSTRACT OF THE DISCLOSURE

An optical circuit is provided having a plurality of legs, each of which may have one or more optical fibers bound together by a matrix material, arranged in a stacked configuration in such a manner as to reduce, if not eliminate, the stress to which the optical fibers are subjected. The optical circuit includes a main body having a flexible substrate and a plurality of optical fibers mounted upon the substrate and lying in a common plane. The plurality of legs extend outwardly from an edge of the main body. The legs are disposed in a stacked configuration in which at least one leg overlies another leg. As such, at least one leg lies at least partially outside of the common plane defined by the substrate. A method for fabricating the optical circuit is also provided.

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